Standard Designs
OMACC

Army Standing Committee Meeting -- Feb-Mar 2006

Standard Designs

For CENTCOM/ARCENT

- **Scope:**
  - **Develop mandatory design criteria for a suite of <u>contingency's construction</u> project for mid-east**
  - **Approx 13 designs in first phase**
  - **Use 'good-enough' designs based on 'Sand Book'**
  - **Large IS/IT proportionally**
- **Status: ISEC-FDED supporting IS/IT Tab Fs**

Definition of Expeditionary Construction

An expediently erected structure with a floor system, exterior walls, and roof system (this includes a facility). This structure may be configured for multiple use. The design and material selection, for this type of structure, will be based upon the following factors:

- **Protection and security requirements for the Area of Responsibility (AOR)**
- **Ease of material acquisition in the AOR**
- **Minimum construction required to meet OPNS and strategic objectives**
- **AOR skill sets and equipment that is available in the local economy**
- **Cost or budgeting constraints**
- **Flexible and Innovative**
- **Utilities (existing or MTOE/commercial)**
- **Function within the coalition**
- **Maximum use of existing sets: BARE Base and FORCE Provider**
- **Ability to expand**
- **Conditions Based/CDR Intent on Transition/Environment**

Slide from OMACE Final Design Conference, 13-16 Feb 2006)

Standard Designs

- Barrack Building (Modular: 40, 80, & 160 PNs)
- Wash-rack Facility (50 & 100 PTs)
- (3) Headquarters Buildings
  - Small (Company); Medium (Battalion); Large (Brigade)
- Warehouse Facility (60,000 SF)
- Maintenance Complex
- TOC (Tactical Operations Center)
- Medical Facilities (3 types)
  - Troop Med Clinic; Dental; Hospital
- JOC (Joint Operations Facility)
- MWR Facility
- Dining Facility (1,400 Meals with Surge Capacity to 2,100)
- Detention Facility (3,000 PNs)

Slide from OMACC Final Design Conference, 13-16 Feb 2006)

Planning Criteria

SAND BOOK:

Austere design features:

- **Architectural, mechanical and electrical**
- **Open floor plans that allow flexibility/convertibility**
- **Rapidly constructed with locally available material**
- **Reduce construction completion schedule**
- **Support contingency operations**
- **"Good Enough"**

Standard Designs

For CENTCOM/ARCENT

- **Status:**
  - **Tampa IPR directed several design revisions**
  - **Final design are due ASAP**
  - **IS/IT is robust using I3A Technical Guide standards**
  - **IS/IT large due to austere brick & mortar**
  - **Status: FDED supporting IS/IT design and**

End of Slides